

A

TREK2	1	K E F I Y T D E F F L S L V A V P A A C P K S A A Q N S
TREK1	1	- - - - - M A A P D L L D P K S A A Q N S - - - - -
		M1
TREK2	61	G G L Q T V Q K W K F V V A I F V V M X L V T G L V E R N A L E Q P F E S S Q N T I A E K A D F E L R D H V C Y S
TREK1	38	- - T I N V Q K W K F V V S A I F V V M X L V T G L V E R N A L E Q P F E S S Q N T I A E K A D F E L R D H V C Y S
TRAAK	1	- - - - - M R S T T L E A L L A L V E L V S G A L V E Q A L E Q P F E S S Q N T I A E K A D F E L R D H V C Y S
		P1
TREK2	121	P Q E L E T L E Q H A L D B D N A G V S P S G - - - - - W S S M N S S H W D L G S R F F A G T V T T I G V N I A E S T
TREK1	96	S T E L D E C I Q Q I V A A I N A G T I P H G - - - - - W T S M O I S H W D L G S S F F A G T V U L T I G E G N I S P K
TRAAK	55	Q K S E E D F I K L L V R A A I G G G A N P E T S W T N S S N H S S A W N L G S S A F F P S G T F I T T I G Y G N I V H Q
		M2
TREK2	178	E G G K I F C I L Y A I E G I P L E G G F U L A G G G D Q L G T I F G K G I A R V E D T P K W N V S Q T K I R I F I S T I
TREK1	153	E G G K I F C I L Y A I E G I P L E G G F U L A G G G D Q L G T I F G K G I A R V E D T P K W N V S Q T K I R I F I S T I
TRAAK	115	D A G R E F C I R Y A L V G T P E F G K L L A G V G D R L G S S U R R G I G H D E K W R V P P G L V R S L S A V
		P2
TREK2	238	L F I I L A G G C I V P V V I P A V I F K Y I B G W F A L E S I Y F V W V V T V G F G D E V A G - G N A G I T N Y R E N Y
TREK1	213	E F I I L P G C V C P V V I P A V I F K Y I B G W F A L E S I Y F V W V V T V G F G D E V A G - G N A G I T N Y R E N Y
TRAAK	175	L F I I L A G G C I V P V V I P A V I F K Y I B G W F A L E S I Y F V W V V T V G F G D E V A G - G N A G I T N Y R E N Y
		M3
TREK2	297	K P L V N F W V L L V G E R A V U L S H I G D W L R V E S K K T K E E V G E I K P A H A E N K A N V T A E F R E T R R
TREK1	271	K P V N F W V L L V G E R A V U L S H I G D W L R V E S K K T K E E V G E I K P A H A E N K A N V T A E F R E T R R
TRAAK	233	Q P L V N F W V L L V G E R A V U L S H I G D W L R V E S K K T K E E V G E I K P A H A E N K A N V T A E F R E T R R
		M4
TREK2	357	R L S V E I H D K L Q R A A T I R S M E R R R L G L D Q R A H S L D M I S P E R R S V F A A L D T G R E K A S S Q E - -
TREK1	331	R L S V E I H D K L Q R A A T I R S M E R R R L G L D Q R A H S L D M I S P E R R S V F A A L D T G R E K A S S Q E - -
TRAAK	292	G P S A P P P E K E Q P L P S S L P - - A P P R W V E B A G R P G S S P A E K V B T P S P P T A S A L D Y P S E N L
		P3
TREK2	415	- S I V N R S P N N L R L K G P E Q C N X H G Q G A S S E D R I N K F G S T S R L Q X R K N K D L K K T L P E D V Q K I Y
TREK1	384	- - L L K T E S S I Y L N G - - - G F P H C A G E E I A V I E W I K -
TRAAK	350	A F T D E S S D T Q S E R G - - C A E P S A P R G R G P M P S K P S R P R G P G R L R D K A V P V - - - - - - - - - - - - - - -
		M5
TRRK2	474	K P E R R N Y S L D E E K K E E T E R K C N S D N S S T A M L T D C I Q Q H A E L E N G M I P T D T K D R E P E N N S L
TREK2	534	C E D R N

Fig. 1
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B

Intron 1: GG/.....?kb,.....accctgactcccttag/TG

Intron 2: AG/gtgag.....~22.4kb,.....tcctttttttgcag/CA

Intron 3: AG/gtacccccc.....catatttcaccagg/GG

Intron 4: GA/gtgag.....~35kb,.....ctttgtctttccttag/AA

Intron 5: AG/gtaag.....~4.1kb,.....tttgtttgtttcag/GG

Intron 6: AG/gtagg.....~1.8kb,.....ctgtctttggccag/GT

C

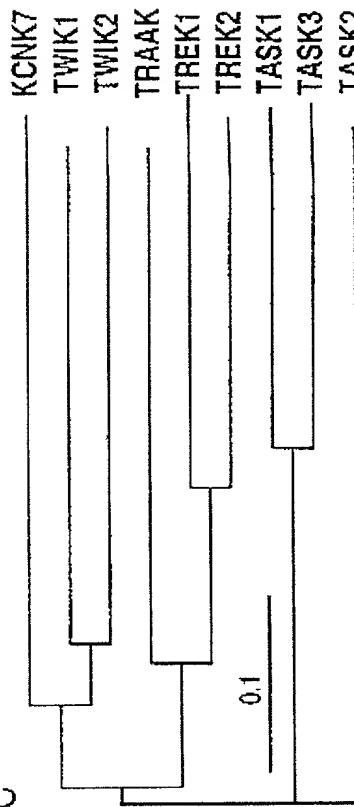
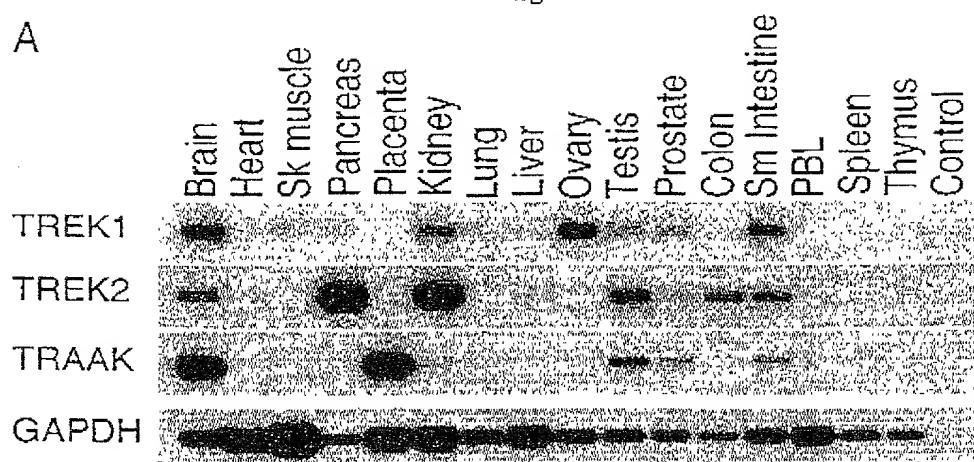


Fig. 2

A



B

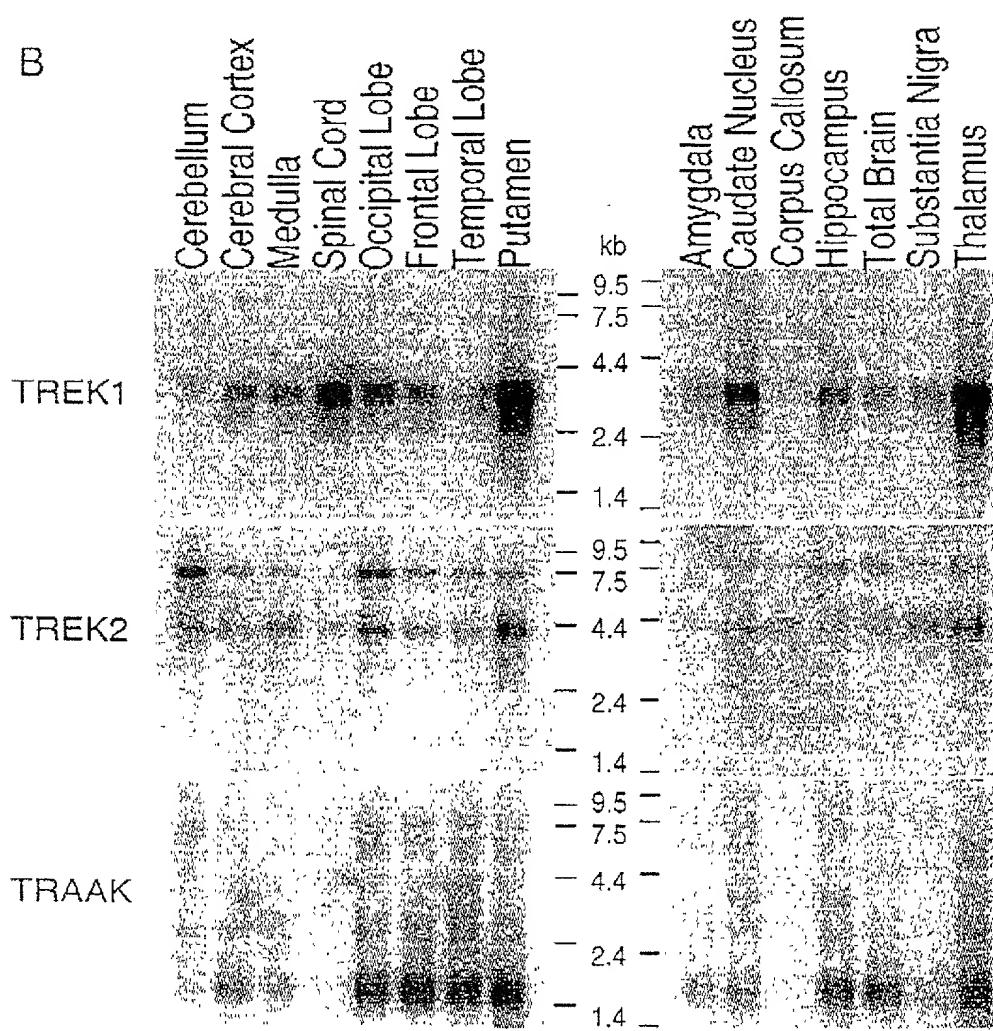
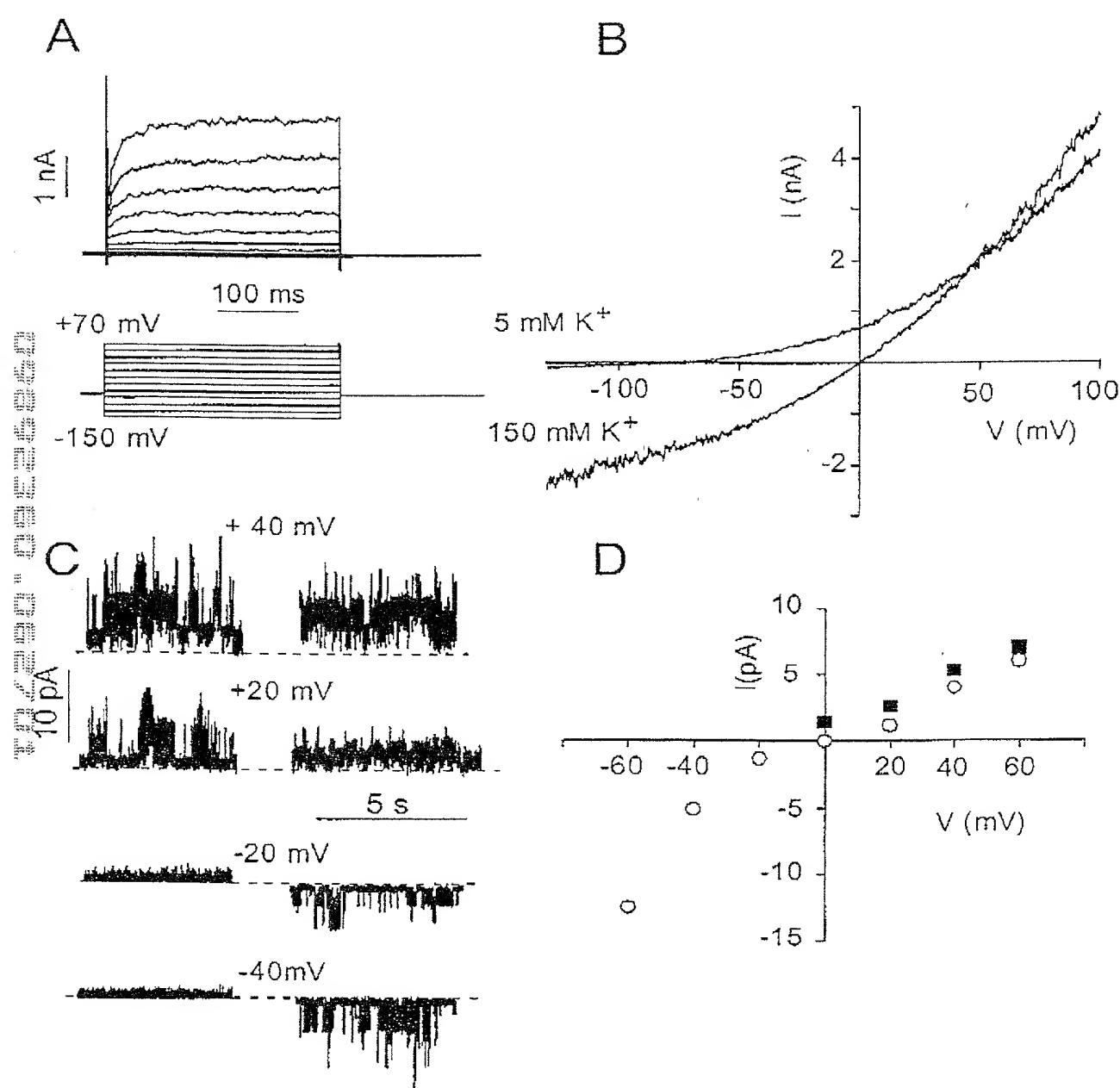


Fig.3



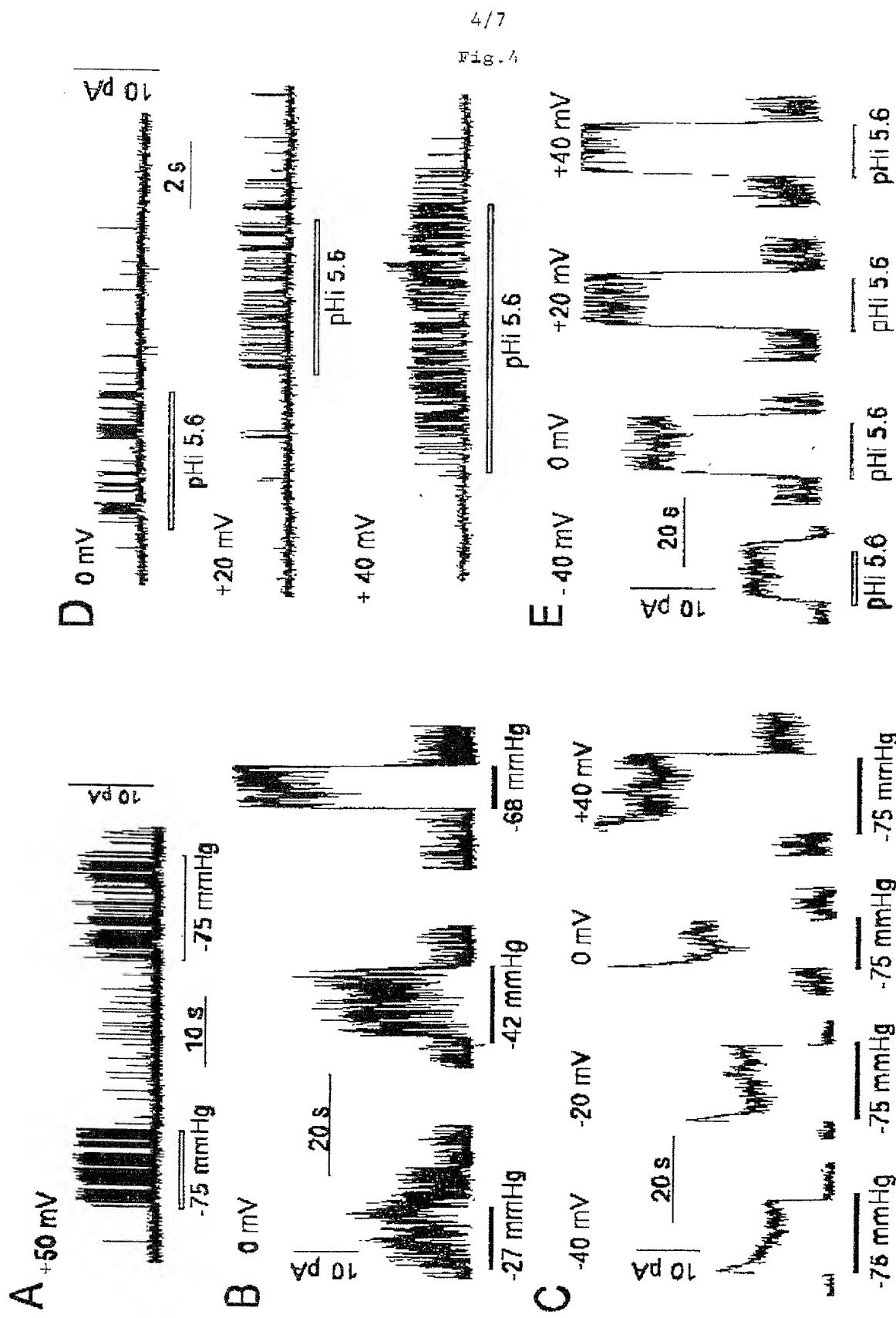


Fig.5

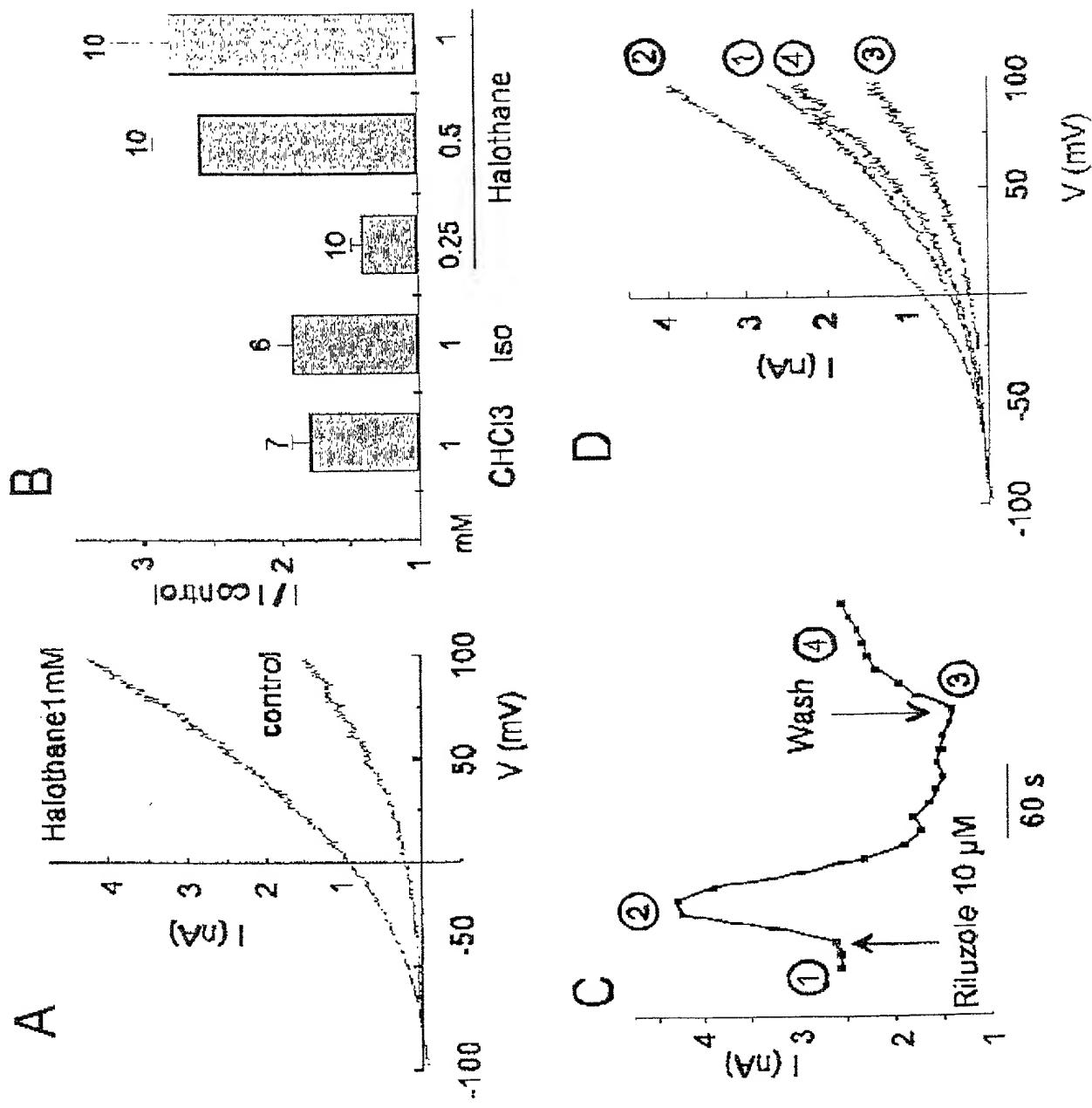


Fig. 6

